Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 15 Feb 2022 until 23:59 on Wednesday 16 Feb 2022

Forecast Issued on Tuesday 15 Feb 2022 at 01:57

Confidence: High for the changeable and at times stormy conditions. Medium for cloud details.

Headline for Tuesday 15 Feb 2022: Cold and windy. Wintry showers.

Mountain weather hazards on Tuesday 15 Feb 2022

Blizzards
Low Likelihood

Gales
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
Low Likelihood

Severe chill effect
High Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Light snow	Heavy snow showers	Cloudy	Cloudy	Heavy snow
Precipitation probability					
90%	50%	50%	40%	30%	50%

Forecast for Tuesday 15 Feb 2022

Weather: Rather cloudy with bright spells and wintry showers during the day, the showers becoming well scattered later in the afternoon. Snow mainly above 500m. Windy with gales and a severe wind chill at height. Further rain and summit snow later in the evening.

Chance of cloud-free hill tops above 800m: 30% in the morning becoming 60% in the afternoon. Nil to 30% later in the evening.

Low cloud and visibility: Moderate or poor in rain and snow, and very poor at times at height. However, mainly very good lower down during the day. Occasional or extensive cloud, base 600 to 900m, but extensive 600m later in the evening.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Tuesday 15 Feb 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	46/55 SW	34/42 W	32/41 W	32/40 W	27/34 SW	27/34 SW	36/45 S
600	37/48 SW	30/39 W	28/38 W	27/36 W	22/30 SW	24/32 SW	29/39 S
300	11/36 SW	12/32 W	12/31 W	11/29 W	8/24 SW	10/25 SW	10/29 S
Valley	13/36 SW	11/29 W	13/30 W	11/27 W	7/21 W	9/23 SW	9/24 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	2/-6	0/-8	-1/-10	-2/-10	-1/-9	-1/-8	1/-7
600	4/-4	2/-5	1/-6	1/-6	1/-6	1/-5	2/-5
300	5/2	5/1	4/0	4/0	3/0	4/0	4/0
Valley	7/3	6/3	6/3	6/3	6/3	6/3	6/3
Freezing Level*	1200m	800m	700m	600m	700m	800m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Note the changing freezing levels during the period.

Forecast for Wednesday 16 Feb 2022

Weather: Cloudy and overcast with outbreaks of rain and drizzle, heavy and persistent at times during daylight hours. Clearing to wintry showers in the evening, temporary blizzard conditions over the summits.

Maximum wind: Increasing Southwest 40 gusting 60mph during the day. Turning stormy in the evening, Westerly 60mph, gusting 80mph or more.

Chance of cloud-free hill tops above 800m: Nil to 20% during daylight hours. Becoming 60% in the evening with the cloud lifting and breaking.

Low cloud and visibility: Moderate or poor in rain and very poor at height. Extensive cloud, base 600m or less during daylight hours, lifting and breaking in the evening.

Temperature: **Valleys:** Plus 5 rising to 11 Celsius
At 800m: Around Zero Celsius early and late in the day, but rising to 5 Celsius for a time
Freezing level: Mainly above the summits, but around 800m early and later in the day.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Monday 14 February 2022 Location: Helvellyn summit at 12:45 Full report: Fresh snow fell overnight and this morning; there is a skittering from 500m with the main snowline being around 600m. Depth rises with height although actual depth encountered varies considerably from only a couple of centimetres on windswept areas – such as parts of the summit plateau – to drifts of 60cm with a very rough average of 10cm at 900m. The snow has been deposited on mainly W to NW winds so the greatest accumulations are to be found in sheltered spots and hollows and on predominantly E facing aspects. Above 800m in similar locations some patches of old, harder snow that has undergone some freeze/thaw cycles can also be found. Most (but not all) of these older snow patches were weight baring. Apart from this, however, all the snow encountered today was soft and, mainly below 700m also wet and thawing. The summit temperature just after midday was hovering around zero, so it would only take a marginal drop in temperature (currently forecast) for the snowpack to harden. Although the snowpack is mostly soft, cornices have started to develop over steep, predominantly east facing slopes. Although very small, please keep well clear of such edges and advise those with less experience to do likewise. Full winter clothing (waterproofs, extra warm layers, hat and gloves), mountain boots and equipment - including torch, map & compass - are all essential for anyone venturing out onto the high fells. For those venturing out above the snowline and attempting, or traversing, steep slopes or exposed routes – such as Striding and Swirral Edges – an ice axe is essential and crampons must be carried in case the current snow freezes and hardens. Similarly microspikes and walking poles are strongly recommended for anyone walking above the snowline in case there is more ice and hard snow around on Tuesday. Snow/hail showers or longer periods of precipitation at altitude are currently in the forecast for Tuesday morning so goggles will be worth taking and walkers should expect, and be prepared to encounter, more snow than experienced and described today. Temperature: minus 0.1 C, Maximum wind speed 24.8 mph, Wind chill: minus 8.3 C, Average wind speed: 10.4 mph

Issued at: 01:57 on Tue 15 Feb 2022

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